Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-8. (Canceled)

9. (Previously presented) A method comprising:

generating a request from a mobile-device, the request comprising a request-layer including a home-address of the mobile-device and a server-address;

encapsulating the request-layer with a roaming-layer including a real-address of the mobile-device and a home-agent-address;

communicating the encapsulated request-layer to a home-agent based on the home-agent-address;

using a program layer below a transmission control protocol/internet protocol (TCP/IP) program layer in the mobile-device to generate the request, encapsulate the request-layer and communicate the encapsulated request-layer;

removing the roaming-layer from the encapsulated request-layer; and

communicating the request-layer from the home-agent to a server based on the server-address.

10. (Canceled)

11. (Previously presented) The method of claim 9 further comprising:

generating a response to the request from the home-agent to the server, the response including a response-layer having the server-address and the home-agent-address; and

communicating the response to the home-agent.

12. (Original) The method of claim 11 further comprising:

encapsulating the response with a roaming-layer, including the real-address and the home-address of the mobile-device; and

communicating the encapsulated response to the mobile-device.

13. (Canceled)

14. (Previously presented) The method of claim 9 including using the program layer below a transmission control protocol/internet protocol (TCP/IP) program layer in the home-agent to modify the encapsulated request-layer with the roaming-layer and communicate the request-layer.

15. (Currently amended) A communication system comprising:

a home-agent;

a server; and

a mobile-device including a processor configured to:

generate a request from the mobile-device, the request comprising a request-layer including a home-address of the mobile-device and a server-address of the server,

encapsulate the request-layer with a roaming-layer including a real-address of the mobile-device and a home-agent-address,

communicate the encapsulated request-layer to the home-agent based on the home-agent-address; and

use respective program layers below transmission control protocol/internet protocol (TCP/IP) program layers in the mobile-device and the home-agent to establish a communication path and maintain a communication path between the home-agent and the mobile-device.

16. (Previously presented) The system of claim 15 wherein the home-agent includes a processor configured to remove the roaming-layer from the encapsulated request-layer and communicate the request-layer from the home-agent to the server based on the server-address.

17. (Previously presented) The system of claim 15 wherein the home-agent includes a processor configured to:

encapsulate a response with a roaming-layer, including the real-address and the home-address of the mobile-device and

communicate the encapsulated response to the mobile-device.

18. (Previously presented) A mobile-device comprising:

a network-interface-adapter;

a processor configured to:

generate a request comprising a request-layer including a home-address of the mobile-device and a server-address,

encapsulate the request-layer with a roaming-layer including a real-address of the mobile-device and a home-agent-address,

communicate the encapsulated request-layer through the network-interface-adapter to a home-agent based on the home-agent-address; and

use respective program layers below transmission control protocol/internet protocol (TCP/IP) program layers in the mobile-device and the home-agent to establish a communication path and maintain a communication path between the home-agent and the mobile-device.

19. (Canceled)

20. (Previously presented) A home-agent comprising:

a network-interface-adapter;

a processor configured to:

receive a request-layer encapsulated with a roaming layer, the request-layer including a server address,

remove the roaming-layer from the encapsulated request-layer, and

communicate the request-layer through the network-interface-adapter to a server based on the server-address, wherein

the processor uses respective program layers below transmission control protocol/internet protocol (TCP/IP) program layers.

21. (Currently amended) The home-agent of claim 20, the processor configured to:

receive a response from the server;

encapsulate the response with a roaming-layer including a real-address and a home-address of ~~the~~ a mobile-device, and

communicate the encapsulated response to the mobile-device.

22-24. (Canceled)

25. (Previously presented) An article comprising a computer-readable medium that stores computer-executable instructions for causing a computer system to:

generate a request from a mobile-device, the request comprising a request-layer including a home-address of the mobile-device and a server-address;

encapsulate the request-layer with a roaming-layer including a real-address of the mobile-device and a home-agent-address;

communicate the encapsulated request-layer to a home-agent based on the home-agent-address; and

use respective program layers below transmission control protocol/internet protocol (TCP/IP) program layers in the mobile-device and the home-agent to establish a communication path and maintain a communication path between the home-agent and the mobile-device.

26. (Previously presented) The article of claim 25 including instructions for causing the computer system to:

remove the roaming-layer from the encapsulated request-layer; and

communicate the request-layer from the home-agent to a server based on the server-address.

27. (Previously presented) The article of claim 25 including instructions to:

generate a response to the request from the home-agent to a server, the response including a response-layer containing the server-address and the home-agent-address; and

communicate the response to the home-agent.

28. (Currently amended) The article of claim ~~25~~ 27 including instructions to:

encapsulate the response with a roaming-layer including the real-address and the home-address of the mobile-device; and

communicate the encapsulated response to the mobile-device.

29. (Canceled)

30. (New) A computer-readable medium storing computer instructions that when executed on a processor-based device cause the processor based device to:

generate a request from a mobile-device, the request comprising a request-layer including a home-address of the mobile-device and a server-address;

encapsulate the request-layer with a roaming-layer including a real-address of the mobile-device and a home-agent-address;

communicate the encapsulated request-layer to a home-agent based on the home-agent-address;

use a program layer below a transmission control protocol/internet protocol (TCP/IP) program layer in the mobile-device to generate the request, encapsulate the request-layer and communicate the encapsulated request-layer;

remove the roaming-layer from the encapsulated request-layer; and

communicate the request-layer from the home-agent to a server based on the server-address.

31. (New) The computer-readable medium of claim 30 further comprising instructions that cause the processor-based device to:

generate a response to the request from the home-agent to the server, the response including a response-layer having the server-address and the home-agent-address; and

communicate the response to the home-agent.

32. (New) The computer-readable medium of claim 31 further comprising instructions that cause the processor-based device to:

encapsulate the response with a roaming-layer, including the real-address and the home-address of the mobile-device; and

communicate the encapsulated response to the mobile-device.

33. (New) The computer-readable medium of claim 30, wherein the computer instructions that cause the processor-based device to use the program layer below the transmission control protocol/internet protocol (TCP/IP) program layer in the home-agent include computer instructions that cause the processor-based device to modify the encapsulated request-layer with the roaming-layer and communicate the request-layer.

34. (New) The mobile-device of claim 18, wherein the processor is further configured to:

receive an encapsulated communication from the home agent, the communication includes a response to a request from the home-agent to the server, the response including a response-layer having the server-address and the home-agent address.

35. (New) The mobile-device of claim 34, wherein the communication is encapsulated with a roaming layer, including the real-address and home-address of the mobile device.

36. (New ) A mobile-device comprising:

a network-interface-adapter;

a memory storing instructions which, when accessed, result in performing:

generating a request comprising a request-layer including a home-address of the mobile-device and a server-address,

encapsulating the request-layer with a roaming-layer including a real-address of the mobile-device and a home-agent-address,

communicating the encapsulated request-layer through the network-interface-adapter to a home-agent based on the home-agent-address; and

using respective program layers below transmission control protocol/internet protocol (TCP/IP) program layers in the mobile-device and the home-agent to establish a communication path and maintain a communication path between the home-agent and the mobile-device.

37. (New) The mobile-device of claim 36, wherein the memory includes further instructions which, when accessed, result in performing:

receiving an encapsulated communication from the home agent, the communication includes a response to a request from the home-agent to a server, the response including a response-layer having the server-address and the home-agent address.

38. (New) The mobile-device of claim 37, wherein the communication is encapsulated with a roaming layer, including the real-address and home-address of the mobile device.

39. (New) A proxy driver for a mobile device comprising:

a network-interface-adapter;

a memory storing instructions which, when accessed, results in performing:

receiving a request-layer encapsulated with a roaming layer, the request-layer including a server address,

removing the roaming-layer from the encapsulated request-layer, and

communicating the request-layer through the network-interface-adapter to a server based on the server-address,

wherein the memory includes respective program layers below transmission control protocol/internet protocol (TCP/IP) program layers.

40. (New) The proxy driver of claim 39, wherein the memory includes further instructions that, when accessed, result in performing:

receiving a response from the server;

encapsulating the response with a roaming-layer including a real-address and a home-address of a mobile-device, and

communicating the encapsulated response to the mobile-device.

41. (New) A communication system comprising:

a home-agent;

a server; and

a mobile-device including a memory storing instructions that, when accessed, result in performing:

generating a request from the mobile-device, the request comprising a request-layer including a home-address of the mobile-device and a server-address of the server,

encapsulating the request-layer with a roaming-layer including a real-address of the mobile-device and a home-agent-address,

communicating the encapsulated request-layer to the home-agent based on the home-agent-address; and

using respective program layers below transmission control protocol/internet protocol (TCP/IP) program layers in the mobile-device and the home-agent to establish a communication path and maintain a communication path between the home-agent and the mobile-device.

42. (New) The system of claim 41 wherein the home-agent includes a memory storing instructions that, when accessed, result in performing removing the roaming-layer from the encapsulated request-layer and communicating the request-layer from the home-agent to the server based on the server-address.

43. (New) The system of claim 41 wherein the home-agent includes a memory storing instructions that, when accessed, result in performing:

encapsulating a response with a roaming-layer, including the real-address and the home-address of the mobile-device, and

communicating the encapsulated response to the mobile-device.